INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/01415

		PCT/JP20	004/014157
CLASSIFICAT	ION OF SUBJECT MATTER F03D11/04, F03D11/02, F03D9/00,	F16C19/38, F16H1/28	
cording to Intern	ational Patent Classification (IPC) or to both national class	ssification and IPC	
FIELDS SEAR			
inimum documen	tation searched (classification system followed by classifi F03D1/00-11/04, F16C19/00-19/56	cation symbols)	
. THE CI	10351700-11704, 110015700 15750	, 110111, 10	
	rched other than minimum documentation to the extent the hinan Koho 1922–1996 Torol	nat such documents are included in the ku Jitsuyo Shinan Koho	fields searched 1994-2004
Kokai Jit	suyo Shinan Koho 1971-2004 Jitsu	uyo Shinan Toroku Koho	1996-2004
ectronic data bas	e consulted during the international search (name of data	base and, where practicable, search te	rms used)
			•
DOCUMENT	S CONSIDERED TO BE RELEVANT	· ·	
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant to claim No.
Y	WO 2002/014690 A1 (HANSEN TRAN		1-5
ľ	INTERNATIONAL NV),	`	
	21 February, 2002 (21.02.02), Full text		· .
		2004/0038770 Al	
	& JP 2004-506845 A	-3 .	
Υ .	WO 2002/057624 A1 (WOBBEN, Al	oys),	1
	25 July, 2002 (25.07.02), Full text		
	& DE 10102255 Al & EP : & US 2004/0108733 A1 & JP :		
	u 05 2004/0100/55 111 u 01 1		
× Further d	ocuments are listed in the continuation of Box C.	See patent family annex.	
"A" document	egories of cited documents: defining the general state of the art which is not considered rticular relevance	"T" later document published after the date and not in conflict with the app the principle or theory underlying the	dication but cited to understan
	lication or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be considered.	ne claimed invention cannot b
"L" document	which may throw doubts on priority claim(s) or which is stablish the publication date of another citation or other	step when the document is taken ale "Y" document of particular relevance; the	one
special rea	son (as specified) referring to an oral disclosure, use, exhibition or other means	considered to involve an inventi combined with one or more other s	ve step when the document
"P" document	published prior to the international filing date but later than	being obvious to a person skilled in "&" document member of the same pate	the art
the priorit	y date claimed		··· · · · · · · · · · · · · · · · · ·
Date of the act	ual completion of the international search cember, 2004 (21.12.04)	Date of mailing of the international s 11 January, 2005	
	ling address of the ISA/ ese Patent Office	Authorized officer .	,
Facsimile No.		Telephone No.	•
	/210 (second sheet) (January 2004)	•	•

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014157

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-194071 A (AB SKF), 09 July, 2003 (09.07.03), Full text & DE 201016649 U1 & EP 1302683 A2 & US 2003/0086631 A1	1
Y	JP 2002-129217 A (Nippon Steel Corp.), 09 May, 2002 (09.05.02), Full text (Family: none)	2
Y .	JP 01-113579 A (MAN Technologie GmbH), 02 May, 1989 (02.05.89), Full text & DE 3732730 A1 & GB 2210420 A & US 4895458 A	2.
Α	WO 2001/098655 A1 (JEUMONT S.A.), 27 December, 2001 (27.12.01), Full text & FR 2810374 A1 & EP 1292767 A1 & US 2003/0194310 A1 & JP 2004-501315 A	1-5